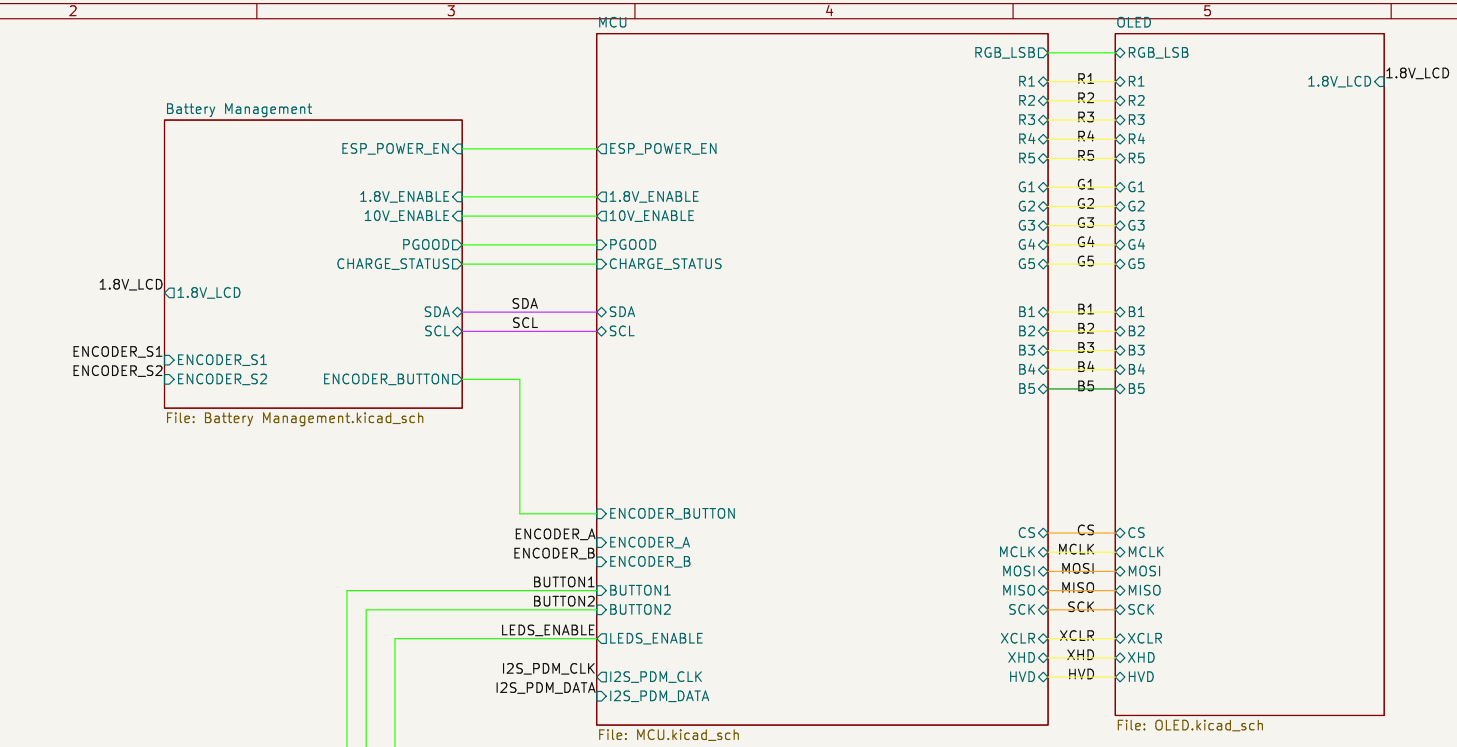

MOUNTED

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File: Zoka-MainBoard.kicad_sch

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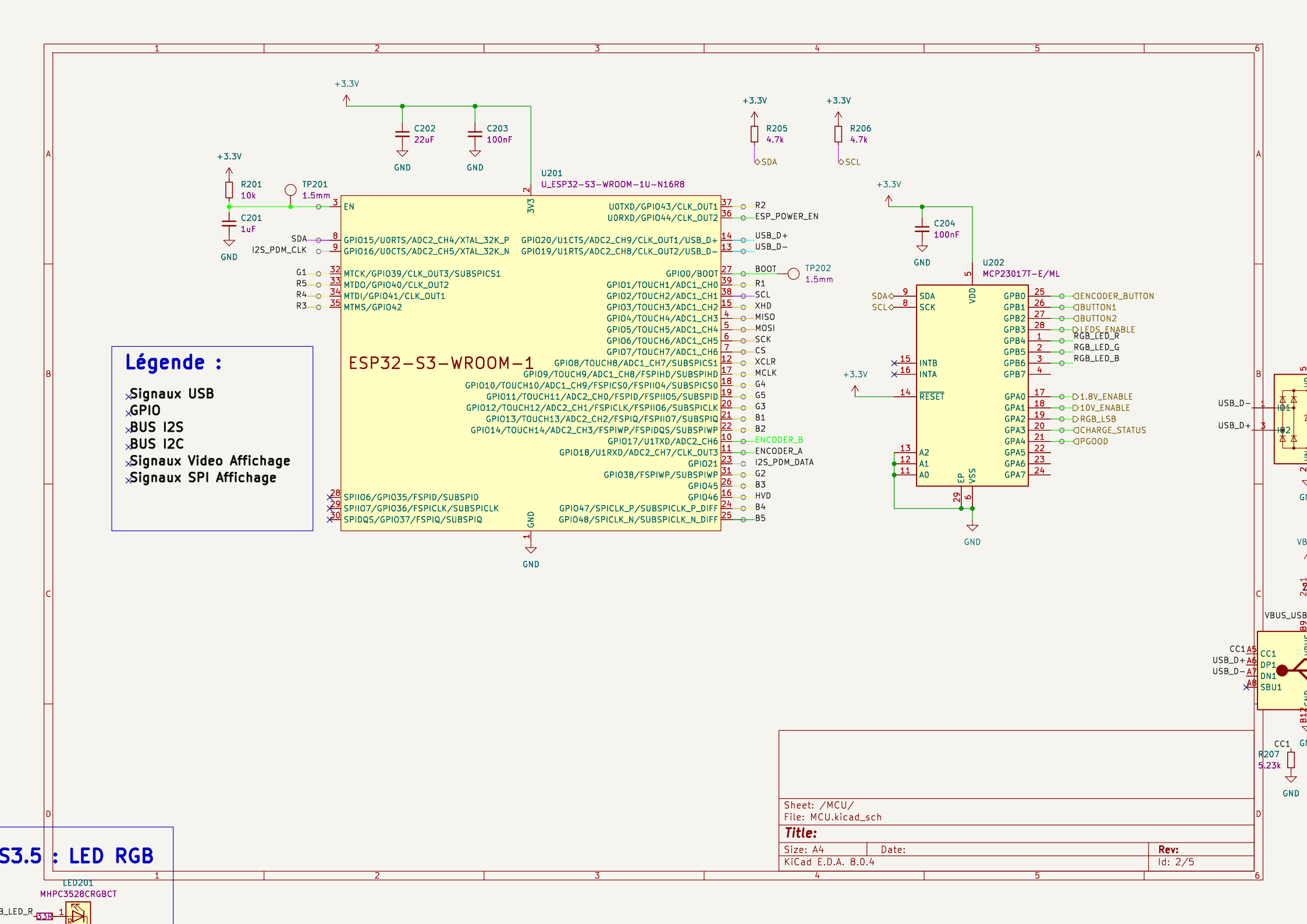
Size: A4	Date: 11/2023	**Rev:** v1.0.0
KiCad E.D.A. 8.0.4		Id: 1/5


Légende :
Signaux USB
GPIO
BUS I2S
BUS I2C
Signaux Video Affichage
Signaux SPI Affichage
ESP32-S3-WROOM-1
U201
U_ESP32-S3-WROOM-1U-N16R8
U202
MCP23017T-E/ML
C201 1uF
C202 22uF
C203 100nF
C204 100nF
R201 10k
R205 4.7k
R206 4.7k
R207 5.23k
TP201 1.5mm
TP202 1.5mm
LED201
MHPC3528CRGBCT
S3.5 : LED RGB
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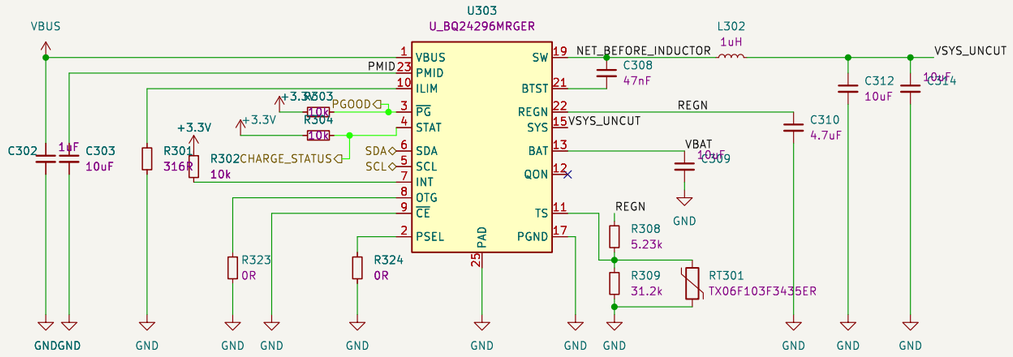
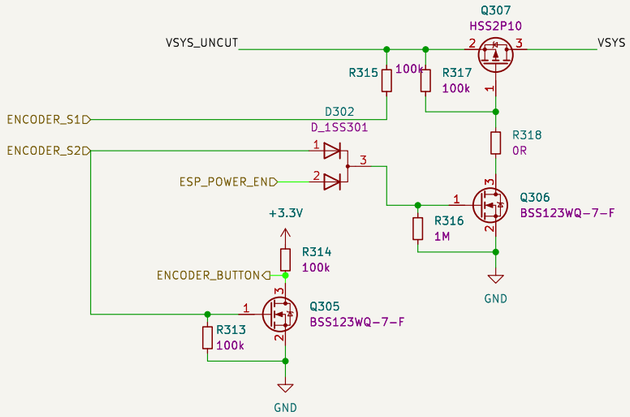
Size: A4
Date:
Rev:
KiCad E.D.A. 8.0.4
Id: 2/5

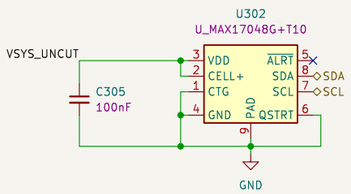
FS2.1 : Système gestion batterie



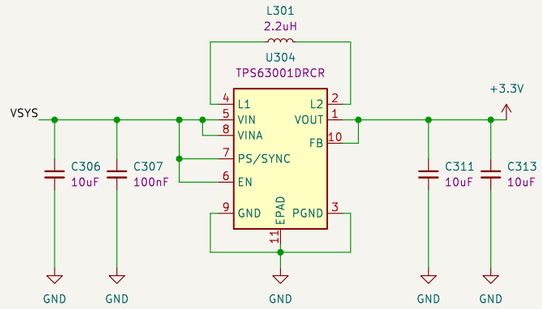
FS2.4 : Circuit coupure alimentation



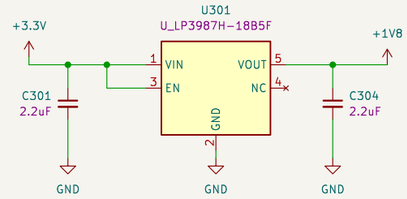
FS2.5 : Composant d'état de charge de batterie



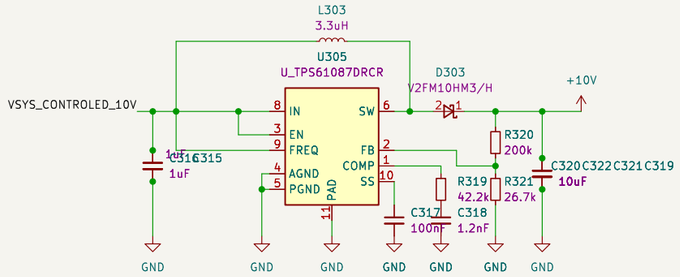
FS2.6 : Alimentation à découpage Buck-Boost 3.3V



FS2.7 : Régulateur de tension linéaire 1.8V



FS2.8 : Alimentation à découpage Boost 10V



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Size: A3	Date:	**Rev:**
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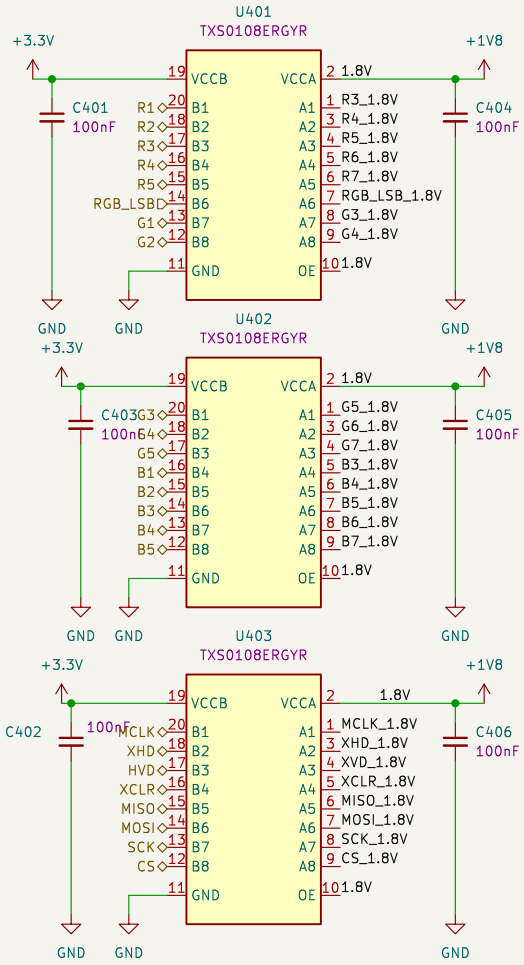
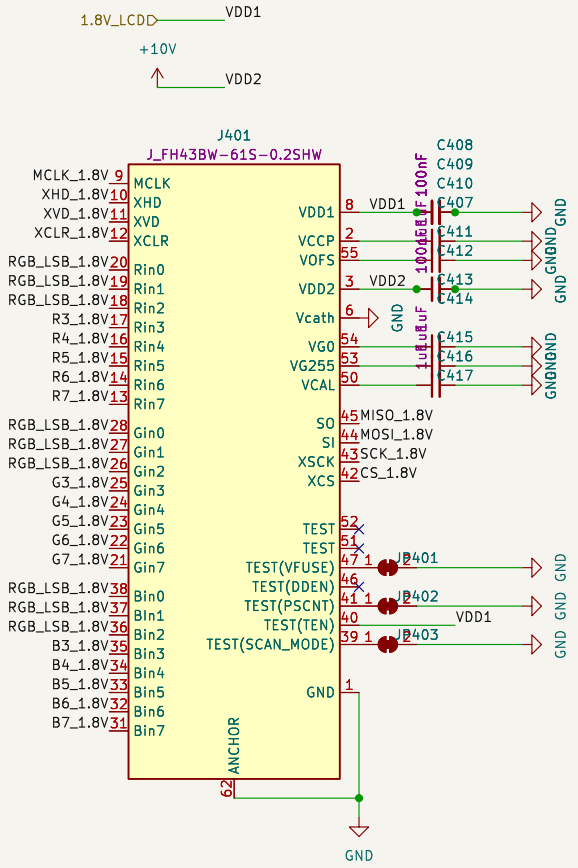
FS4.1 : Translateurs de niveau de tension



FS4.2 : Connecteur ECX334



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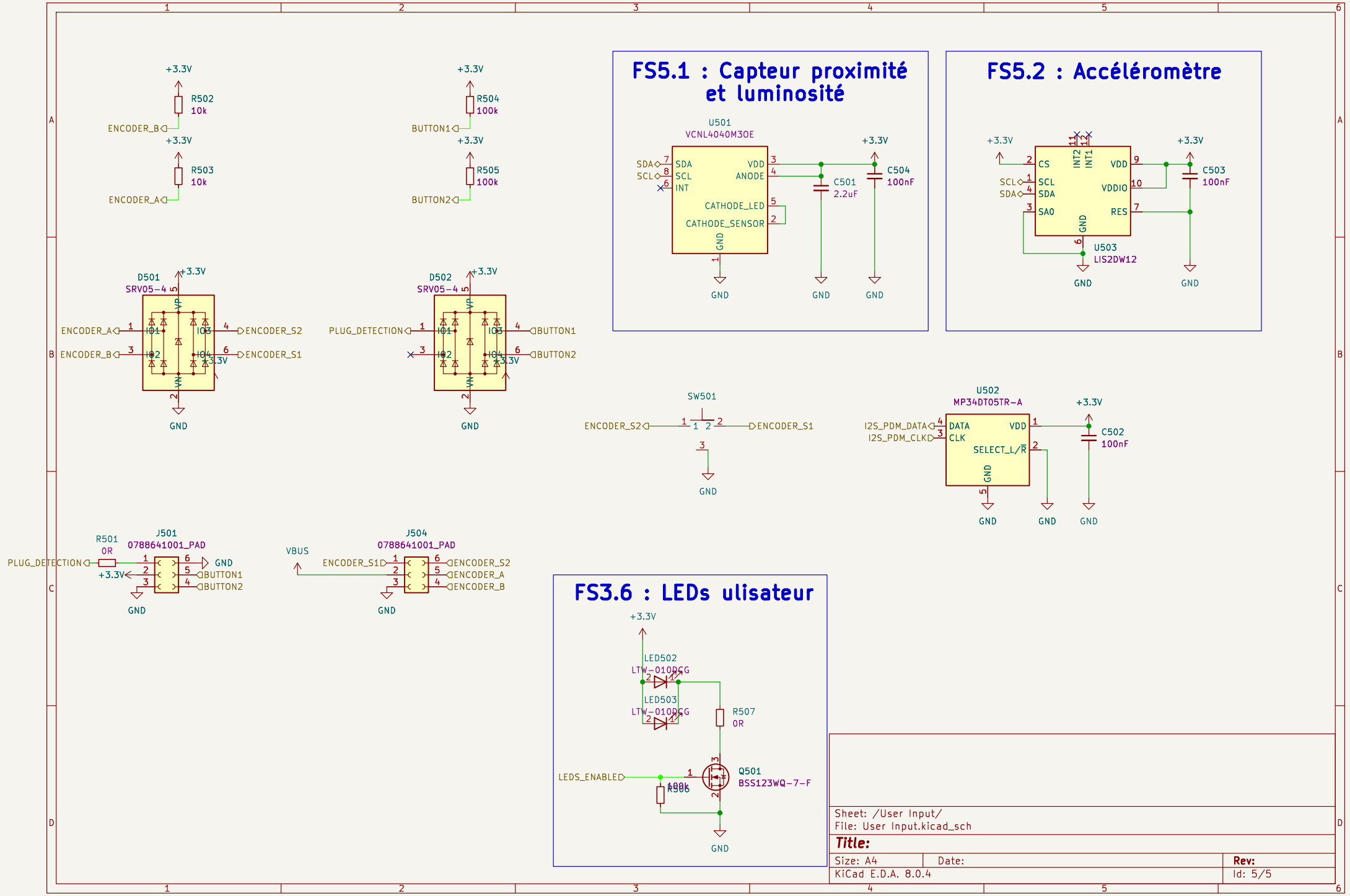
Size: A4	Date:	**Rev:**
KiCad E.D.A. 8.0.4		Id: 4/5


FS5.1 : Capteur proximité et luminosité
FS5.2 : Accéléromètre
FS3.6 : LEDs ulisateur
+3.3V
R502
10k
ENCODER_B
R503
10k
ENCODER_A
R504
100k
BUTTON1
R505
100k
BUTTON2
D501
SRV05-4
D502
SRV05-4
ENCODER_A
ENCODER_B
ENCODER_S2
ENCODER_S1
PLUG_DETECTION
BUTTON1
BUTTON2
GND
U501
VCNL4040M3OE
SDA
SCL
INT
VDD
ANODE
CATHODE_LED
CATHODE_SENSOR
C501
2.2uF
C504
100nF
U503
LIS2DW12
CS
SCL
SDA
SA0
INT2
INT1
VDD
VDDIO
RES
C503
100nF
SW501
U502
MP34DT05TR-A
I2S_PDM_DATA
I2S_PDM_CLK
DATA
CLK
SELECT_L/R
C502
100nF
R501
0R
J501
0788641001_PAD
J504
0788641001_PAD
VBUS
LED502
LTW-010DCG
LED503
LTW-010DCG
R507
0R
LEDS_ENABLED
R506
100k
Q501
BSS123WQ-7-F
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Title:
Size: A4
Date:
Rev:
KiCad E.D.A. 8.0.4
Id: 5/5